SONY

HDR-FX1

HDV 1080i Camcorder

▲ Step-up Feature
✦ New Feature

World's FIRST Recording & Playback Consumer HDV 1080i Camcorder.

▲ **3-1/3" 16:9 Advanced HAD™ CCD Imagers 1,120K Pixels Gross**
Advanced HAD™ (Hole Accumulation Diode) CCD imagers with 1,120K effective (video) pixels provides excellent detail and clarity with exceptional digital video performance. Using a 3 chip Advanced HAD™ CCD system and dichroic prism to separate color information, colors are extremely accurate, and color "bleeding" and "smearing" are greatly reduced.

– **Advanced HAD™ CCD Technology**
Enhanced CCD design allows more light to reach the imager which reduces video noise to improve signal-to-noise ratio by up to 6db (2x better than a standard CCD). Particularly effective when shooting in dark situations.

▲ **HDV Recording Format**
From the innovators in camcorder technology, Sony's HDR-FX1 camcorder is the world's first HDV1080i consumer level camcorder and player. Now you can record all your memories in true high-definition video.

▲ **Switchable HDV/DV Format Recording**
The HDR-FX1 is capable of recording and playing back both High Definition and Standard Definition video recorded on standard MiniDV cassettes.

▲ **Real-time HD Codec Engine**
A Sony developed Real Time MPEG Encode/Decode system with reduced in energy consumption and compact size to fit inside a personal camcorder. Provides efficient MPEG2 compression, and recording and playback of clear HD images at the same bit rate of the DV format, so that High Definition video can be recorded on the same cassettes as are used for MiniDV recording.

– **12X Optical Carl Zeiss® Vario-Sonnar® T* Lens**
From the authority in lens technology, the Carl Zeiss® Vario-Sonnar® T* lens provides a high quality 12x optical zoom which maintains image clarity and color while reducing glare and flare.

▲ **3.5" Wide Precision Hybrid SwivelScreen™ LCD Display (250K Pixels)**
Provides excellent viewing clarity with improved resolution. The 250K pixel LCD display makes images sharp and detailed during playback or when monitoring recording. The Hybrid Reflective-Transmissive LCD Screen provides accurate viewing in sunlight or bright light, virtually eliminating the "washout" common with traditional LCD Screens.

– **Super SteadyShot® Optical Stabilization System**
An advanced form of Sony's SteadyShot Image Stabilization system that controls an even higher range of shake and vibration frequencies. This optical stabilization system achieves an even higher level of smoothness without degradation of video like some digital stabilization systems.

– **Analog/Digital Conversion with Pass-Through**
Convert and/or record any analog NTSC video source to digital video via the analog inputs. Analog NTSC video can also be passed through the digital Handycam camcorder directly into a PC via the i.LINK® interface in real-time for easy PC editing of your analog footage.

– **Manual Zoom and Manual Focus Ring**
Dual independent Zoom and Focus rings provide precise and detailed control over the amount of zoom and the overall focus of the image with just a turn of the rings. Fast, intuitive framing when zooming, and finely detailed focusing is easy with the natural "feel" of the rings.

– **Expanded Focus Indicator**
The camera's LCD image is magnified, temporarily, up to 4X its original size without any loss of distortion. This allows the user more finite control while focusing the camera for greater detail and clarity.

▲ **Picture Profile**
Allows the user to set manual adjustments for a scene (color, sharpness, white balance, etc) into any one of six presets, so they can be called up at just the touch of a button. Useful when shooting under the same conditions repeatedly, as options do not have to be re-set each time. Settings for various shooting conditions are offered as defaults.

▲ **CineFrame™ Recording**
Provides the option of recording video at either 30 fps or with a feeling of "film-like" 24 fps.

▲ **Assignable Buttons**
Three buttons on the exterior of the camcorder are user-assignable so that they can be set to the options most commonly utilized, for ease of recording.

– **i.LINK®² DV Interface (IEEE1394)**
A high speed bi-directional digital video/audio communication between two compatible devices equipped with an IEEE1394 interface, including camcorders, digital VCRs, and PCs.

▲ **Shot Transition**
Allows for a smooth automatic scene transition. Settings for focus, zoom, iris, gain, shutter, and white balance can be set to the A/B button and a smooth transition will take place according to the set time. This function enables the focus to gradually shift from the front of the screen to a deeper part of the screen. Thus the iris enables a smooth change of depth of field.

HDV
HDV 1080i

ZEISS

Picture Profile

Cinematone Gamma & Cineframe

Shot Transition

Super Steady Shot

HDV/DV Switchable

worryfreedigitalvideo™

like.no.other™

HANDYCAM

HDR-FX1

HDV 1080i Camcorder

specifications

NightShot® Infrared System: N/A
Accessory Shoe: Yes (Cold)
USB Streaming: N/A
White Balance: Auto/One-Push (A)(B)/Preset
Imaging Device: 3-1/3" 16:9 1120K Pixel Advanced HAD™ CCDs
Viewfinder: Color, Precision 16:9 (252K pixel)
Interface: i.LINK®[2] DV Interface (IEEE1394): Yes
LCD: 3.5" 16:9 (250K) Precision Hybrid Color
USB Port(s): N/A
Digital Video Input(s): Yes (Composite (Mini) and S-Video
Digital Video Output(s): Yes (Component, Mini, and S-Video)
Digital Audio Input(s): Yes
Digital Audio Output(s): Yes (Stereo, Mini)
Headphone Output(s): Yes (Stereo, Mini)
Input(s): Microphone: Yes (Stereo, Mini)
Minimum Illumination: 3 lux
Aperture: 1.6-2.8
Focal Distance: 4.5-54.0mm
35mm Conversion: 32.5-390mm (in 16:9 mode)
40-480mm (in 4:3 mode)
Zoom: 12X
Focus: Full Range Auto/Manual (Ring)/One Touch
Shutter Speed: 1/4-1/10,000 (in AE Mode)
Aperture Range: Iris Control: Yes, Gain Independent
Power Consumption: 7.4W/8.0W/8.4W (VF/LCD/VF LCD)
Limited Warranty: 1 Year Parts; 90 Days Labor
Video Actual: 1070K Pixels
Filter Diameter: 72mm
Weight: 4 lbs, 11 oz (2.1 Kg) without battery or accessories
Dimensions (WHD): 5 15/16" x 7 1/8" x 14 3/8" (151 x 181 x 365mm)
Supplied Accessories: Power Adaptor/ In Camera Charger (AC-L15)
InfoLithium® Rechargeable Battery (NP-F570)
Wireless Remote Commander® Remote Control (RMT-840)
AA Battery
Lens Hood
Lens Cap
A/V Cable
Component Video Cable
Cleaning Cassette
Shoe Adapter
Large Eye Cup
Shoulder Strap

UPC Code: 0272426548150

service and warranty

Limited Warranty: 1 Year Parts; 90 Days Labor

optional accessories

High Grade Wide Angle Lens (VCL-HG0872)
Polarizing Filter Kit (VCL-72CPK)
Carrying Case (LCS-VCB)
Hard Carrying Case (LCH-FXA)
Tripod (VCT-FXA)
Video Light (HVL-20DW2)
Remote Control Tripod (VCT-870RM)
Rechargeable Battery Pack (NP-F770/970)

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Sony. Engineered to be effortless.

BATTERY LIFE[1]

Battery[1] (Fully charged)	Continuous Record Time VF/LCD/LCD Backlight Off	Continuous Playback Time LCD On/Off
NP-F570	125/110/125 min	175/195 min
NP-F770	255/235/260 min	360/400 min
NP-F970	385/360/390 min	545/605 min

1.Battery life may vary depending upon usage patterns. Designed for use with compatible Sony InfoLithium® batteries.
2. i.LINK is a trademark of Sony, used only to designate that a product contains an IEEE1394 connector. All products with an IEEE1394 connector may not communicate with each other.

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